

Goat Cathepsin D Polyclonal Antibody | anti-CTSD antibody

Cathepsin D Polyclonal Antibody

CATALOG # AAA13859	HOST Goat	REACTIVITY Reacts against human, rat, mouse, canine and monkey proteins.	APPLICATIONS Western Blot, Immunofluorescence, Immunohistochemistry, Immunohistochemistry
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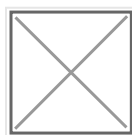
PRODUCT SYNONYMS

Cathepsin D; Polyclonal Antibody; Cathepsin D Polyclonal Antibody; Anti-Cathepsin D; ceroid-lipofuscinosis; ; CLN10; CPD; CTSD; lysosomal aspartyl protease; lysosomal aspartyl peptidase; neuronal 10 antibody; anti-CTSD antibody

PRODUCT SPECIFICATIONS

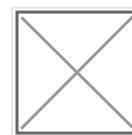
Host	Goat
Reactivity	Reacts against human, rat, mouse, canine and monkey proteins.
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody gives a positive signal in the following human (Jurkat, HT1080, HUH, MDA-MB-231, ARPE19, SH-SY5Y), canine (MDCK) and monkey (COS-7) whole cell lysates.
Form/Format	Polyclonal antibody supplied as 200 uL (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.
Sequence Length	412
Applicable Applications for anti-CTSD antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Application Notes	Western Blot: 1:250-1:1,000 Immunofluorescence 1:50-1:200 Immunohistochemistry (paraffin) 1:50-200 Immunohistochemistry (frozen) 1:50-1:200 IEM 1:50-1:200
Immunogen	Purified recombinant peptide derived from within residues 275 aa to the C-terminus of human Cathepsin D produced in E. coli.
Preparation and Storage	Store at -20°C for long term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence - anti-CTSD Ab at 1/100 dilution in RAW264.7 cells; cells were fixed with PFA and permeabilized with 0.05% saponin



IF (Immunofluorescence)

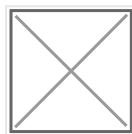
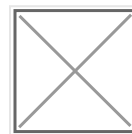
Immunofluorescence- anti CTSD at 1/100 dilution in NIH/3T3; cells were fixed with methanol and permeabilized with 0.1% saponin

**Application Data**

Immunogold labelling using melanocytes and anti-CTSDS Ab

**Application Data**

Immunoperoxidase of polyclonal antibody to CTSDS (1:200) on paraformaldehyde-fixed paraffin embedded mouse lung

**Application Data****Reactivity Chart**

ADDITIONAL INFORMATION

Related Product Information for anti-CTSD antibody

Cathepsin D

Goat polyclonal antibody to Cathepsin D. Cathepsin D is a lysosomal aspartic protease of the pepsin family. Acid protease active in intracellular protein breakdown. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. It is involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503143
NCBI GeneID	1509
NCBI Accession #	NP_001900.1
NCBI GenBank Nucleotide #	NM_001909.4
UniProt Accession #	P07339; Q6IB57
NCBI Official Full Name	cathepsin D preproprotein
NCBI Official Synonym Full Names	cathepsin D
NCBI Official Symbol	CTSD
NCBI Official Synonym Symbols	CPSD; CLN10; HEL-S-130P
NCBI Protein Information	cathepsin D; lysosomal aspartyl protease; lysosomal aspartyl peptidase; ceroid-lipofuscinosis, neuronal 10; epididymis secretory sperm binding protein Li 130P
UniProt Protein Name	Cathepsin D
UniProt Gene Name	CTSD
UniProt Synonym Gene Names	CPSD
UniProt Entry Name	CATD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cathepsin-d-antibody-western-blot-immunofluorescence-immunohistochemistry-immunohistochemistry-elisa/13859>